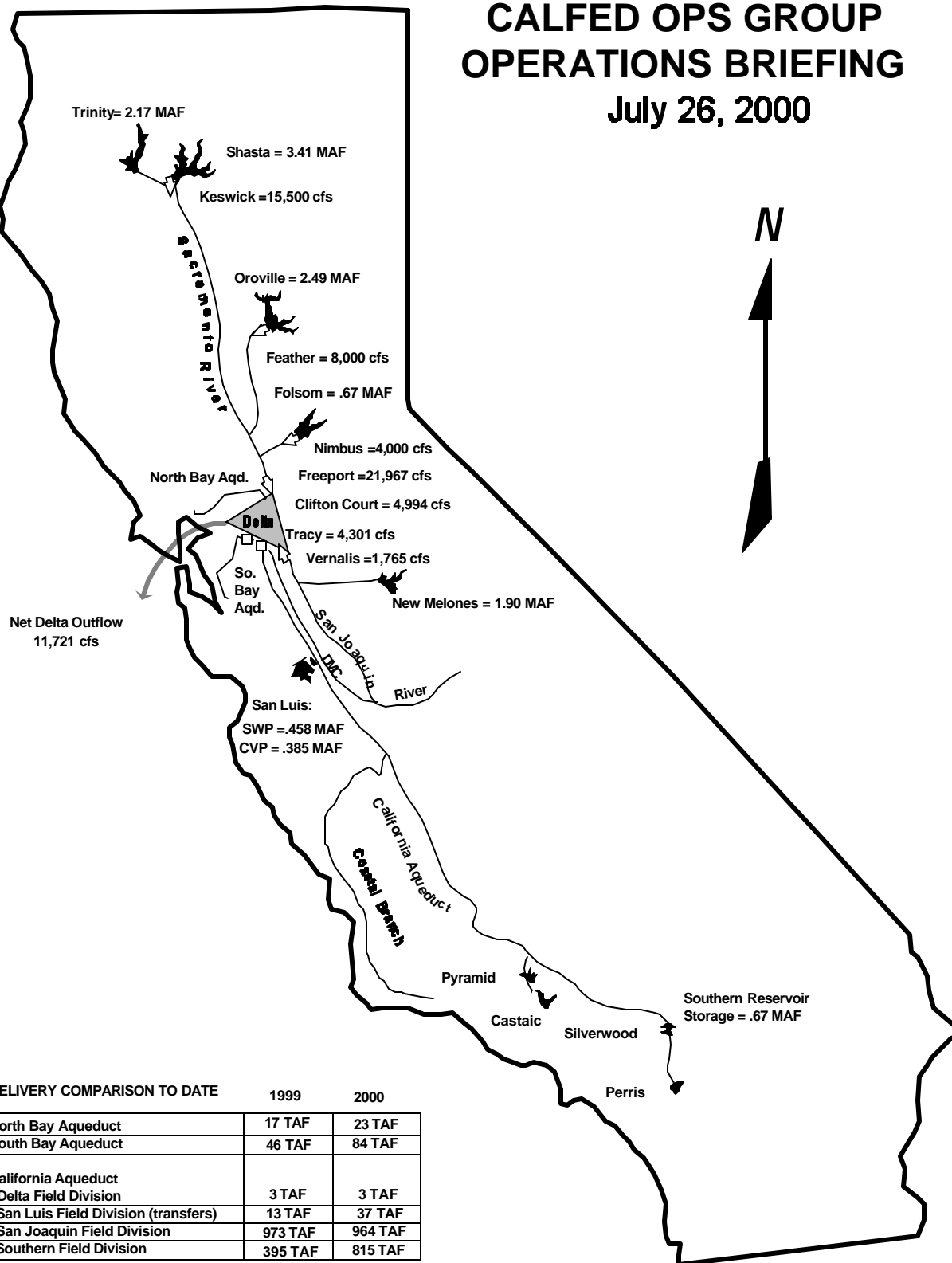


CALFED OPS GROUP OPERATIONS BRIEFING July 26, 2000



CURRENT SWP/CVP OPERATIONAL STATUS

**DATA AS OF
July 26, 2000**

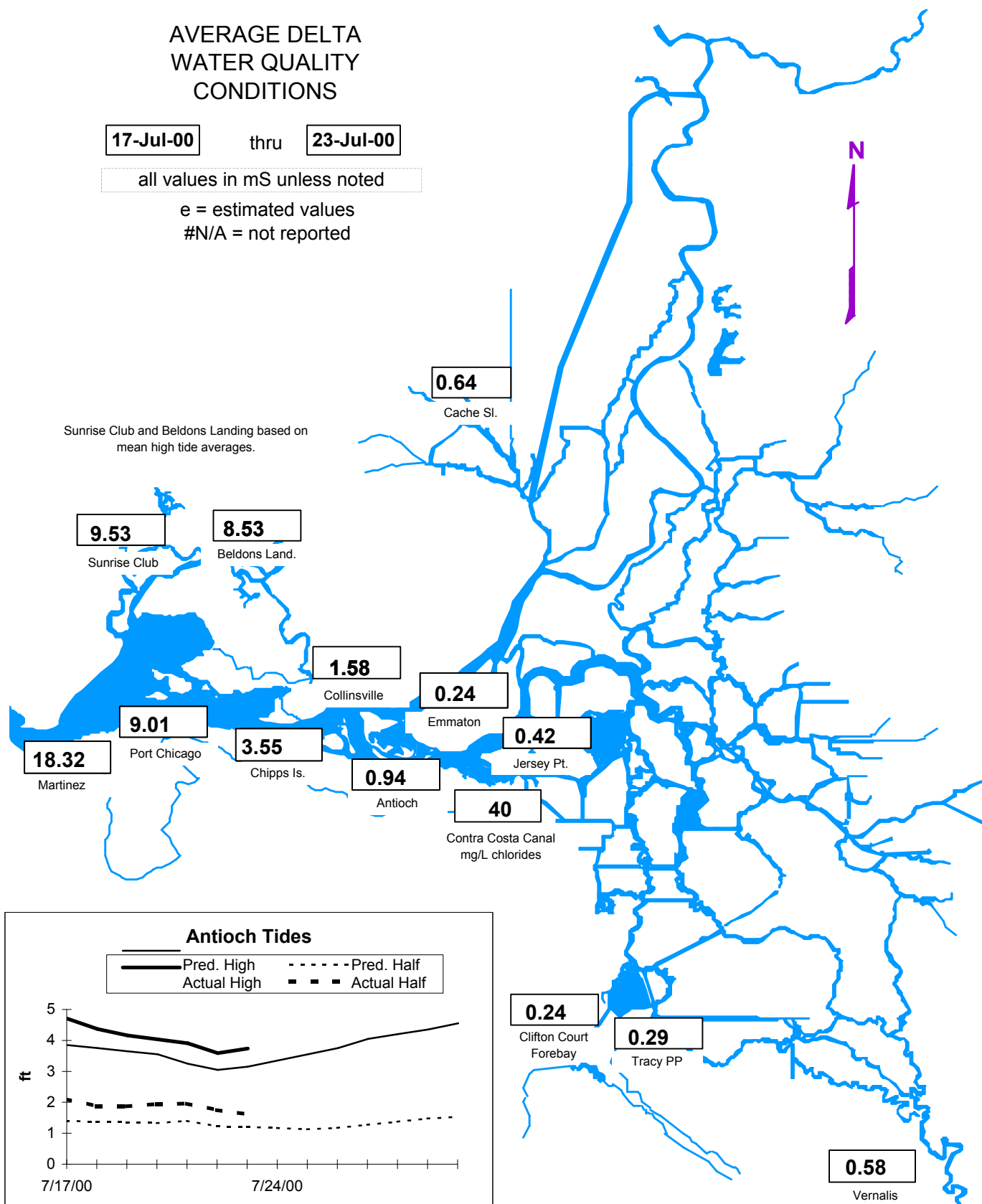
AVERAGE DELTA WATER QUALITY CONDITIONS

17-Jul-00 thru **23-Jul-00**

all values in mS unless noted

e = estimated values

#N/A = not reported



DRAFT

Bay-Delta Standards

DRAFT

Contained in D-1641 and the Winter-Run and Delta Smelt Biological Opinions

CRITERIA	Jul 00	Aug 00	Sep 00
FLOW/OPERATIONAL			
• Fish and Wildlife			
SWP/CVP Export Limits			
Export/Inflow Ratio	65% of Delta Inflow		
Minimum Outflow - mon.	8,000 cfs	4,000 cfs	3,000 cfs
- 7 day avg.	6,400 cfs	3,000 cfs	2,000 cfs
Suisun Marsh			
Habitat Protection Outflow, X2			
River Flows:			
@ Rio Vista - min. mon. avg.			3,000 cfs
- 7 day average			2,000 cfs
Salmon Migration	3,000 cfs	1,000 cfs	5,000 cfs
@ Vernalis: Base -min. mon. avg.			
- 7 day average			
Delta Cross Channel Gates			

WATER QUALITY STANDARDS

• Municipal and Industrial			
All Export Locations	CI <= 250 mg/l		
Contra Costa Canal	CI <= 150 mg/l for 240 days (196 days as of 7/25/00)		
• Agriculture			
Western/Interior Delta	14-dm <= 0.45 mS/cm EC		
Southern Delta	30-day running average EC <= 0.7 mS		
• Fish and Wildlife			
San Joaquin River Salinity			
Suisun Marsh Salinity			

LEGEND

Implemented under ESA Biological Opinions for Winter-Run Salmon and Delta Smelt	Water Year Classification: (May 1 forecast)
Implemented under SWRCB Order 95-6	
Implemented under SWRCB D-1641	
	SRI (40-30-30 @ 50%) =9.2 (Wet)
	SJV (60-20-20 @75%) =3.2 (Above Normal)

Year 2000 CVP and SWP Water Supply Impact and Recovery Plan

Based on May 1 - 90% Exceedence Hydrology												Impact
	Apr	May 1-15	May 16-31	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-01	Summary
SWP												
b(2) - WQCP												
SWP Export Impacts (b(2) 2000)			-28 ³									-28
SWP delta smelt B.O. Export Impacts	-28 ¹	-32 ¹	-28 ³									-88
SWP Export Makeup (b(2) 2000)				28 ⁵								28
SWP delta smelt B.O. Export Makeup				52 ⁵	7 ⁶	20 ⁷	9 ⁷					88
Oroville Storage Changes	28 ²	13 ²	33 ⁴	4 ⁵	-7 ⁷	-20 ⁷	-9 ⁷					42
Net Impacts												42
SWP Export from AFRP						?	?		?			?
Negotiated 1999 SWP Makeup								35 ⁸	35 ⁸			70

CVP												
b(2) - WQCP												
Cum. CVP Storage Changes (Oct - Jan)												-6
CVP Flow Impacts (Feb.-Sep)	-51	-7	3	0	-36	-28						-143
CVP Export Impacts	-52	-78	0	-1	-6	0						-280
Sub total												-429
WQCP - Base												
Cum. CVP Storage Changes (Oct - Jan)												0
CVP Flow Impacts (Feb.-Sep)	-164	-137	-13	0	74	78						-137
CVP Export Impacts	-19	-25	6	0	-95	-102						-235
Sub total												-372
Grand Total												-801
CVP Water Supply Augmentation Actions												
Potential Use for JPOD												0
Water Purchases south of the Delta					44	19	10					73

¹ Impacts for dropping SWP exports from 50% of Vernalis base flow (2367 cfs) to actual exports (1404 cfs) which averaged greater than the SWP share of the delta smelt biological opinion export objective (1165 cfs). Therefore there were no SWP impacts attributed to b(2) during the pulse flow period.

² Most of the reduced SWP exports were backed into Oroville. Approximately 19 taf of impact occurred during a period of surplus flows, (May 9 - 15), and were not backed upstream.

³ 56 taf of surplus flow was lost due to curtailments in the latter part of May. 28 taf was for a b(2) action. The other 28 taf was for export reductions associated with exceeding the delta smelt red-light salvage level.

⁴ Some water was backed into Oroville in late May as result of the reduced pumping.

⁵ May b(2) impacts (28 taf), late May ESA impacts (28 taf) and some of the pulse flow period impacts (24 taf) were made up by pumping surplus CVP flows that resulted from CVP b(2) export curtailments in early June and by pumping greater than 35% E/I ratio (15 taf) in the end of June.

⁶ Approximately 7 taf of additional pulse flow export impact has been recovered in July by utilizing the 500 cfs increase at CCF intake. These additional exports are supported by additional Oroville releases of 7 taf plus an undetermined carriage water cost.

⁷ The remainder of pulse flow export impact (34 taf) is planned to be made up by utilizing the 500 cfs increase in August and September. These additional exports will be supported by additional Oroville releases that will include an undetermined amount of carriage water.

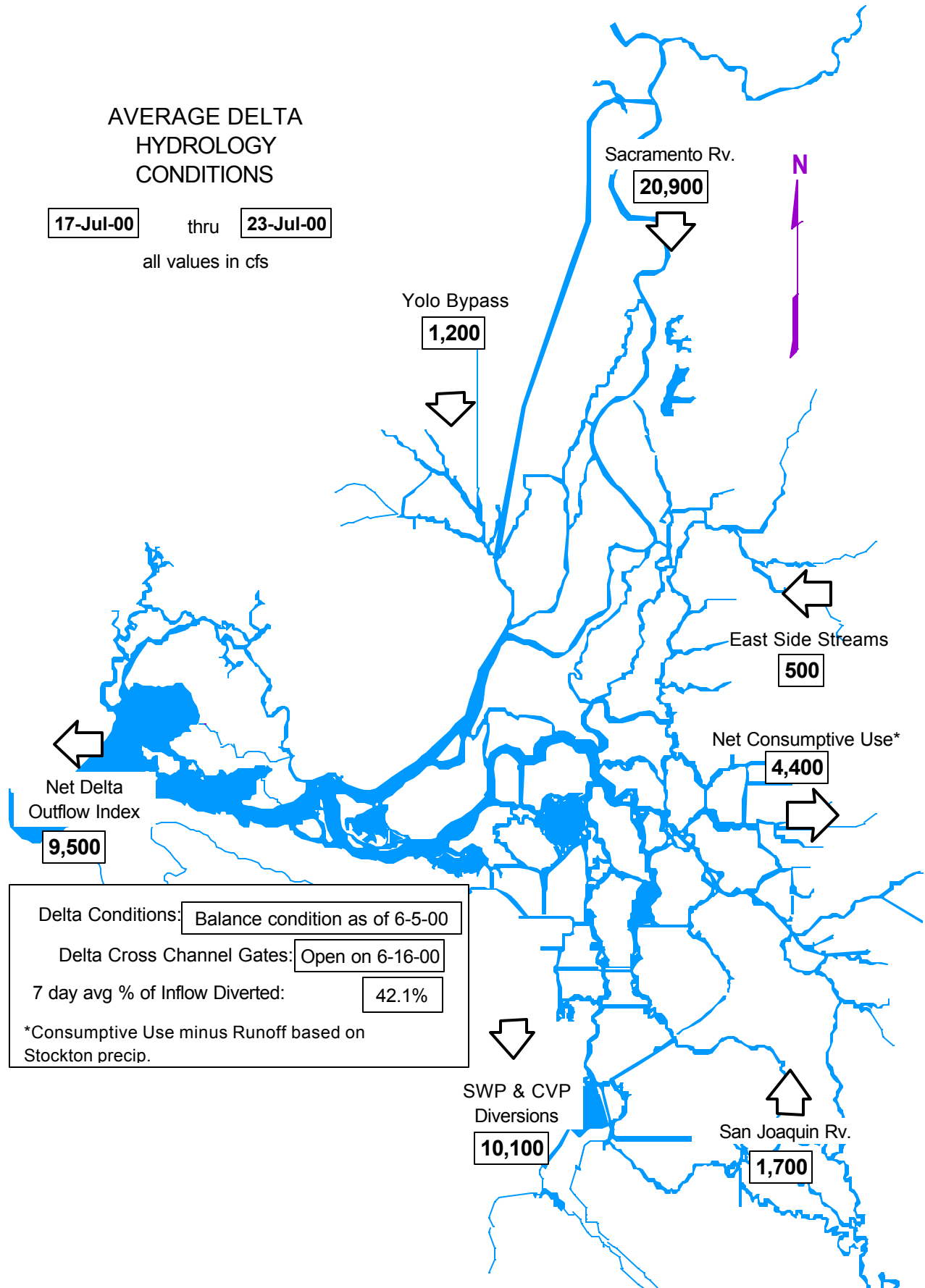
⁸ Additional SWP export supported by CVP upstream releases in October and November. The 70 taf was negotiated between DOI and DWR for 1999 make up.

Special Note: CVP b(2) impact summary is for the period Oct. '99 through Sept. '00.

AVERAGE DELTA HYDROLOGY CONDITIONS

17-Jul-00 thru 23-Jul-00

all values in cfs



Delta Conditions: Balance condition as of 6-5-00

Delta Cross Channel Gates: Open on 6-16-00

7 day avg % of Inflow Diverted: 42.1%

*Consumptive Use minus Runoff based on Stockton precip.

Delta Smelt Impact and Recovery

